pH Sensors



SE 102-AN pH Sensor

pH Sensor with Integrated Temperature Detector

The SE 102-AN sensor with glass body is a reliable sensor for precise pH measurements in the laboratory and in the field. It has an integrated Pt1000 temperature detector. The electrolyte is refillable.

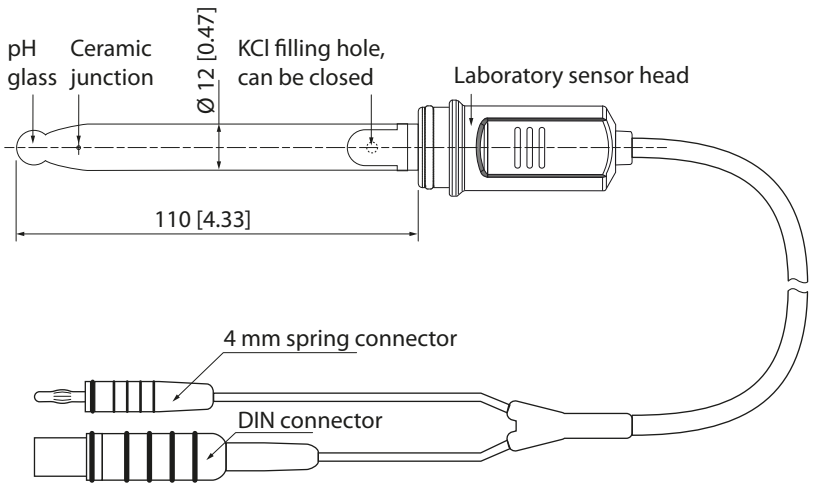
Applications
Precision measurements, chemical applications, aggressive media, quality control

Facts and Features
- Liquid electrolyte, refillable
- Ceramic junction
- Integrated temperature detector
- pH glass with low impedance; also suitable for measurements at low temperatures, low alkali error

Specifications

pH:	0 ... 14
Temperature:	–5 ... 100 °C / 23 ... 212 °F
Temperature detector:	Pt1000
Reference system:	Ag/AgCl
Electrolyte:	Liquid, 3 mol/l KCl, refillable
Junction:	Ceramic
pH glass:	Low impedance, low alkali error
Body material:	Glass
Body length:	110 mm / 4.33 inches
Body diameter:	12 mm / 0.47 inches
Sensor head:	Laboratory sensor head, for use with Portavo quiver
Cable:	Fixed cable (length: 1 m / 3.28 ft)

Dimension Drawing



All dimensions in mm [inches]

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Product Line

Sensor	Length	Order No.
SE 102-AN pH sensor	110 mm	**SE 102-AN**

CaliMat Buffer Solutions (20 °C)	Quantity	Order No.
pH value 2.00 ± 0.02	250 ml	**CS-P0200/250**
pH value 4.00 ± 0.02	250 ml	**CS-P0400/250**
	1000 ml	**CS-P0400/1000**
	3000 ml	**CS-P0400/3000**
pH value 7.00 ± 0.02	250 ml	**CS-P0700/250**
	1000 ml	**CS-P0700/1000**
	3000 ml	**CS-P0700/3000**
pH value 9.00 ± 0.02	250 ml	**CS-P0900/250**
	1000 ml	**CS-P0900/1000**
	3000 ml	**CS-P0900/3000**
pH value 12.00 ± 0.05	250 ml	**CS-P1200/250**

Electrolyte Solution for Storage in the Watering Cap	Quantity	Order No.
KCl, 3 mol/l	250 ml	**ZU 0960**